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SI-0009 (108328.00031)

PATENT

Previous doc. no. HO-P02021US1 (10021476)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Robert J. Schwartz, et al.
Serial No.: 10/021,403
Filed: 12/12/01
For: ADMINISTRATION OF NUCLEIC ACID SEQUENCE TO FEMALE
ANIMAL TO ENHANCE GROWTH IN OFFSPRING
Art Unit: 1645
Examiner: Not Yet Assigned

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STATEMENT UNDER 37 C.F.R. § 1.821 (F)

I hereby state that the content of the paper and computer readable copies of the Sequence Listing, submitted in accordance with 37 C.F.R. § 1.821 (e), § 1.821 (f), § 1.821 (g), § 1.825 (b) or § 1.825 (d) respectively, are the same.

Respectfully submitted,

T. Ling Chwang

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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/021,403	12/12/2001	Robert J. Schwartz	HO-P02021US1 (10021476 /

CONFIRMATION NO. 3652

FORMALITIES LETTER



OC000000008098357

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Date Mailed: 05/13/2002

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant is given **TWO MONTHS FROM THE DATE OF THIS NOTICE** within which to file the items indicated below to avoid abandonment. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

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PART 2 - COPY TO BE RETURNED WITH RESPONSE

Received

MAY 20 2002

P02021US1
Baylor
MIS



10

Growth.ST25.txt
SEQUENCE LISTING

<110> Advisys

<120> Administration of Nucleic Acid Sequence to Female Animal to Enhance Growth in Offspring

<130> HO-P02021US1/100021476/OTA 00-91

<140> 10/021,403

<141> 2002-04-11

<150> 60/255,021

<151> 2000-12-12

<160> 11

<170> PatentIn version 3.1

<210> 1

<211> 40

<212> PRT

<213> artificial sequence

<220>

<223> This amino acid sequence is an synthetic analog of "growth hormone releasing hormone" ("GHRH").

<400> 1

Tyr Ala Asn Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln
1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg Gln Gln Gly
20 25 30

Glu Arg Asn Gln Glu Asn Gly Ala

	35	40	Growth.ST25.txt
<210>	2		
<211>	48		
<212>	DNA		
<213>	artificial sequence		
<220>			
<223>	This is a primer used for site directed mutagenesis of growth hormone releasing hormone ("GHRH")		
<400>	2		
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<210>	3		
<211>	42		
<212>	DNA		
<213>	artificial sequence		
<220>			
<223>	This is a primer used for site directed mutagenesis of growth hormone releasing hormone ("GHRH")		
<400>	3		
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<210>	4		
<211>	27		
<212>	DNA		
<213>	artificial sequence		
<220>			
<223>	This is a primer used for site directed mutagenesis of growth hormone releasing hormone ("GHRH")		
<400>	4		
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<210>	5		
<211>	36		

Growth.ST25.txt

<212> DNA

<213> artificial sequence

<220>

<223> This is a primer used for site directed mutagenesis of growth hormone releasing hormone ("GHRH")

<400> 5

ctgctccagg acatcctgaa caggcagcag ggagag 36

<210> 6

<211> 358

<212> DNA

<213> artificial sequence

<220>

<223> This is a synthetic promoter, termed SPc5-12.

<400> 6

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cagggtgttg cgctctaaaa ataactccc ggagttat ttagagcgga ggaatggtg 180

acacccaaat atggcgacgg ttcctcacc gtcgccatat ttgggtgtcc gccctcggcc 240

ggggccgcat tcctgggggc cgggcggtgc tcccggcgc ctcgataaaa ggctccgggg 300

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<210> 7

<211> 623

<212> DNA

<213> artificial sequence

<220>

<223> This is a human growth hormone ("hGH") 3' untranslated region.

<400> 7

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gtgccacca gccttgctct aataaaatta agttgcatca tttgtctga ctaggtgtcc 120

Growth.ST25.txt

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ctcactgcaa tctccgcctc ctgggttcaa gcgattctcc tgcctcagcc tcccagattg 300
ttgggattcc aggcattgat gaccaggctc agctaatttt tgtttttttg gtagagacgg 360
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actcagtaga tgcctgttga att 623

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<210> 8
 <211> 40
 <212> PRT
 <213> artificial sequence

<220>

<223> This amino acid sequence is an synthetic analog of "growth hormone releasing hormone" ("GHRH").

<400> 8

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His Val Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Ala Gln
1           5           10          15

```

```

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Leu Asn Arg Gln Gln Gly
          20          25          30

```

```

Glu Arg Asn Gln Glu Gln Gly Ala
          35          40

```

<210> 9
 <211> 3534
 <212> DNA
 <213> artificial sequence

<220>

<223> This is a plasmid pSPC5-12-HVGHHRH utilized in the present invention.

Growth.ST25.txt

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gtgaggaatg gtggggagtt attttttagag cggtgaggaa ggtgggcagg cagcaggtgt	180
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Growth.ST25.txt

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<210> 10

<211> 2192

<212> DNA

<213> artificial sequence

<220>

<223> This is a plasmid vector comprising a pVC0289 backbone

<400> 10

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Growth.ST25.txt

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<210> 11

<211> 308

<212> DNA

<213> artificial sequence

<220>

<223> This is a nucleic acid sequence is an synthetic analog of "growth hormone releasing hormone" ("GHRH").

<400> 11

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gcttatcg 308

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